shop July 15

Accept

Page 1

Work Order ID 60168-1 June 28, 2010 11:53:41 AM

Item ID:

D4132-042

Revision ID:

Item Name:

Wearplate, RH Fwd

Start Date:

6/29/10

Start Qty: 2.00

Required Date: 7/15/10

Reg'd Qty: 2.00



Cust Item ID:

Customer:

Date:

Date:

Reference:

Approvals:

Process Plan:

OC:

Date:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

Tool ID

Plan Code

Accept Qty

Reject Qty

Run

Setup Start

Stop

Start

Stop

Reject Number

Insp. Stamp

Draw Nbr

Sequence ID/

Work Center ID

Revision Nbr

Operation

Description

D4132

A

100

Waterjet

FLOW CNC Waterjet

304 .050 FLOW WATER JET

Memo

1-Cut D4132-IF as per Dwg D4132

Dwg Rev: Prog Rev:

2-Deburr if necessary

0.00

83

1810-6-09

110

OC

Quality Control

QC2- Inspect parts off maching FAI/FAIB

Memo

0.00

0.00

1810-6-29

120

Memo

QC8 Inspect parts - second check

Quality Control

Dart Aerospace I	Ltd	
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W/O:			WORK ORDER CHANGES					
DATE	STEP	PI	ROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR: Ye	s No DQ	A:	Date:	
	В	esolution:	Disposition:	QA: N/C	Closed:		Date: _	

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC	- 1	Corrective Action Section B) .	Verification	Anneoval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector
		ā						
		*						

Dart Aerospace Ltd	Aerospace Ltd	
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE		Date	Qty	Approval Chief Eng / Prod Mgr	A)- QC In
			•				
		8.					

Part No: D4132-042	PAR #:	Fault Category:		NCR: Yes	No	DQA:	Date:	
Resolution:		Disposition:	3	QA: N/C Cld	osed	:	Date:	

		Description of NC		Corrective Action Section B		Verification	Approval	Approva
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto
da.01.v1	100	Design changed. PARTS NO LONGER	V of	SCRAP PID.10.06 NEW PARTS MADE TO REV. B	10.10.06	S 10/10/07 C	10.000	10.10.0
		CURRECT	12 Wash	NEW PARTS MADE TO REV. B	10.10.06	10/10/07	stall	
			9			JI.		
		9		9.				

Work Order ID 60168

June 28, 2010 11:53:41 AM

Item ID:

D4132-042

Wearplate, RH Fwd

Revision ID:

Item Name:

Start Date:

6/29/10

OC:

Required Date: 7/15/10

Start Qty: 2.00

Accept

Setup Start



Cust Item ID:

Customer:

TooldD

Reference:

Approvals:

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Date:

Tool # Plan

Code

Start Run

Reject

Qty

Accept

Qty

Stop

Reject

Number



Insp.

Stamp

Sequence ID/ Work Center ID

130.

Brake NC

Brake NC

Operation Description

Form as per dwg

Req'd Qty: 2.00

NC BRAKE

Memo

Memo

1- Form using DT 81 Die as per Dwg D4132

Dt 98141

0.00 0.00

0.00

0.00

10 10 ord orly

140

Quality Control

150

Large Fab Large Fab

Weld per dwg A/R Hardcoat S.S. Batch:

QC5- Inspect part completeness to step on W/O

Large Fab

Memo

Weld hard surface using DT

0.00

0.00

as per QSI 004 and Dwg D4132

W/O:		WORK ORDER CHANGE	S				•
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/07/13	130	Led to open Rote at .311 to match the jig	SB	12/07/13	3	10.07.13 As) yr	

Part No:		_ PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:			WORK ORD	ER NON-CONFORMANO	CE (NCR)			
		Description of NC	Corrective Action Section B			Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
			-					

Work Order ID 60168

June 28, 2010 11:53:42 AM

Item ID:

D4132-042

Revision ID:

Item Name:

Wearplate, RH Fwd

Start Date:

6/29/10 Required Date: 7/15/10

QC:

Start Qty: 2.00

Req'd Qty: 2.00



Accept



Setup Start

Stop



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Date:

Date:

Run

Start



Stop

Sequence ID/ Work Center ID

Quality Control

Operation Description

QC10- Inspect visual per QS1004- ground welds

Set Up/ Run Hours

0.00

0.00

170

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

Memo

0.00

180

Powdercoat

Powder Coating

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

Memo

START TIME:

OVEN TEMPERATURE:

Tool ID

Tool# Plan

Accept Qty Code

Reject Qty

Reject

Insp. Number Stamp

0.00

0.00

FINISH TIME:

Dart Ae	rospace Ltd							× 200
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PR	OCEDURE CHANGE	Е	by Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR:	Yes No DC	A:	Date: _	
	Resolution	n:	Disposition:	QA: N	/C Closed: _		Date: _	
NCR:			WORK ORDER NON-CON	FORMANCE (NCR)			

NCR:			WORK ORDE	ER NON-CONFORMAN	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector

Page 4

Work Order ID 60168

June 28, 2010 11:53:42 AM

Item ID:

D4132-042

Revision ID:

Item Name:

Wearplate, RH Fwd

Start Date: 6/29/10

Req'd Qty: 2.00

Required Date: 7/15/10

Start Qtv: 2.00

Accept

Setup Start

Stop



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

QC:

Date: Date:

Tooling: SPC (Y/N): Date:

Date:

Tool # Plan

Code

Start

Qty

Sequence ID/

Work Center ID 190

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

Set Up/

Run Hours

0.00

0.00

200

Small Fab

Memo

Small Fab

1- Bond D4132-3 gasket to inner surface of wearplate using a thin layer of 3M

1300/1300L scotch grip adhesive

Batch:

210

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Quality Control

Run

Accept

Qty

Stop

Reject

Insp.

Reject Number Stamp

0.00 0.00

Dart Ae	rospace	Ltd							. II
W/O:			V	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Ca	tegory:	NCR: Ye	s No DQ	A:	Date: _	
Resolution:				QA: N/C Closed:					
NCR:			WORK OR	DER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC Section A	of NC Corrective Action State				cation tion C	Approval Chief Eng	Approval QC Inspecto

Work Order ID 60168

June 28, 2010 11:53:43 AM

Item ID:

D4132-042

Revision ID:

Item Name:

Wearplate, RH Fwd

6/29/10

Required Date: 7/15/10

Req'd Qty: 2.00

Start Qty: 2.00

Reference:

Start Date:

Approvals:

Sequence ID/

Work Center ID

Process Plan:

QC:

Description

Date:

Date:

Tooling:

Operation

SPC (Y/N):

0.00

0.00

Accept

Set Up/ Run Hours

Identify as per dwg & Stock Location: Packaging

Packaging Packaging

220

230

Memo

QC21- Final Inspection - Work Order Release

Quality Control

0.00

Memo

0.00



Setup Start

Stop



Cust Item ID: Customer:

Date:

Date:

Run

Start

Stop



Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Number Stamp

Insp.

NUF 10-04

W/O:		WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CHAI	NGE	Ву	Date	Approval QC Inspector				
								Prod Mgr			
		PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _			
Resolution:			Disposition	1:	QA: N/C CI	osed:		Date:			
NCR:			WORK ORDI	ER NON-CONFORMA	NCE (NCR)					
DATE	CTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval		
DATE	SILF	STEP Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sect	ion C	Chief Eng	QC Inspector		
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: Picklist Print

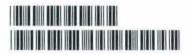
June 28, 2010 11:53:40 AM

Work Order ID: 60168

Parent Item:

D4132-042

Parent Item Name: Wearplate, RH Fwd



Start Date: 6/29/10

Required Date: 7/15/10

Required Qty: 2.00

Start Qty: 2.00

Comments:

IPP Rev:A 10.06.24 new issue DD verf:EC

Component Item ID Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4132-3 Gasket		Manufactured	No			200	Fach	0.0000		2			
M304S18GA		Purchased	No			100	sf	132.8779	1.555	3.273684	4 1810.	- GG	74
				Location		Loc Q	Hy	Loc Code			HB10.	0	0 (
				MAT20		132.8	779						
				1	11743		3.86						>
					112885	28.0			-				13
				1	113062		96			13067			

Page 1

Dart Ae	rospace	Ltd						
W/O:			WC	ORK ORDER CHANGE	S			
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes 1	No DQA:	Date:	
		solution:						
NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)		
		Description of NC		Corrective Action Section	n B	Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector

NCR:			WORK ORD	ER NON-CONFORMAN	SE (NCH)							
		Description of NC Corrective Action Section B				Verification	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto				

DART AEROSPACE LTD	Work Order:	60168
Description: WEAR DLATE RH FWD	Part Number:	C40-6040
Inspection Dwg: 04/35 - (Rev:		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

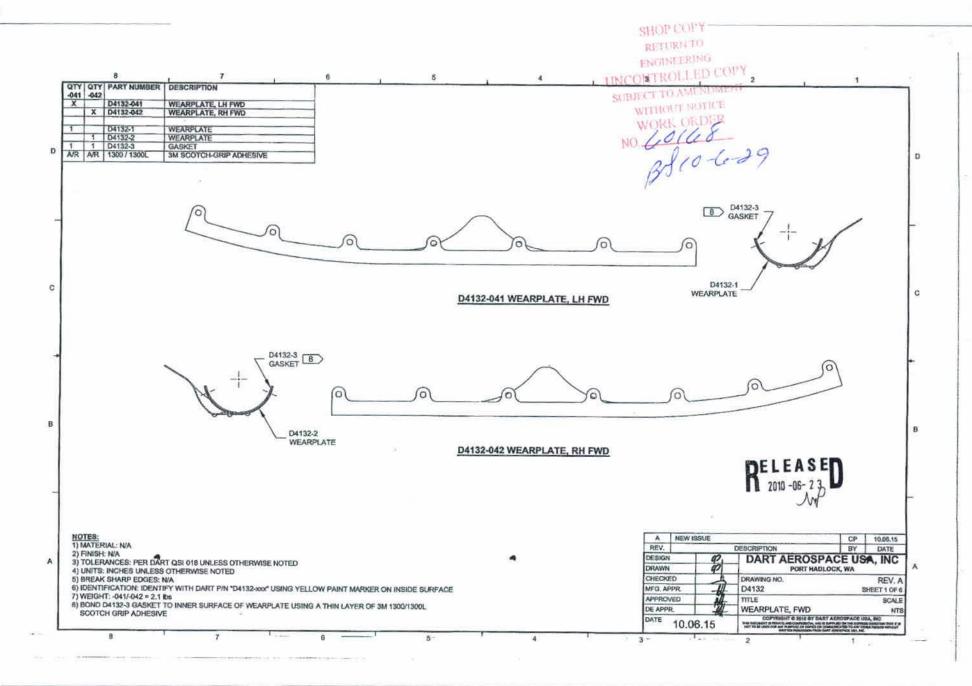
X First Article	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
300 × 306	\$.010	305×303	*			
\$. 703	4.005-001	.704	+	*		
415	44.000	.413	*			
(8)	4 .00	.853	*			
2.74	4 30	2,731	×			
4.65	4 .030	4.638	K			
5.055	4 .do	5.054	4			
5.47	4 .30	5.467	×			
8.05	4630	8.043	٧			
.374	4 .010	.377	8	-		
1.92	4 .00	1.917	8			
5.099	4 00	5.099	*		-	
9.834	4 -do	9.834				
11.92	4 .030	11.97		-		
14.548		14.548	1	-		
14-273	-L .ou	19.073				
21.93	4 -630	21.92				
23.63	TL -010	23.613		-		
27.953	the du	27.953			-	
1.10	4 .030	1.68				
4.31	7/- 30	434				
11.79	7 .30	11,79			-	
13.04	4030	12.04				

Measured by: 18 Audited by: Date: 10-6-39 Date: 10/06/30

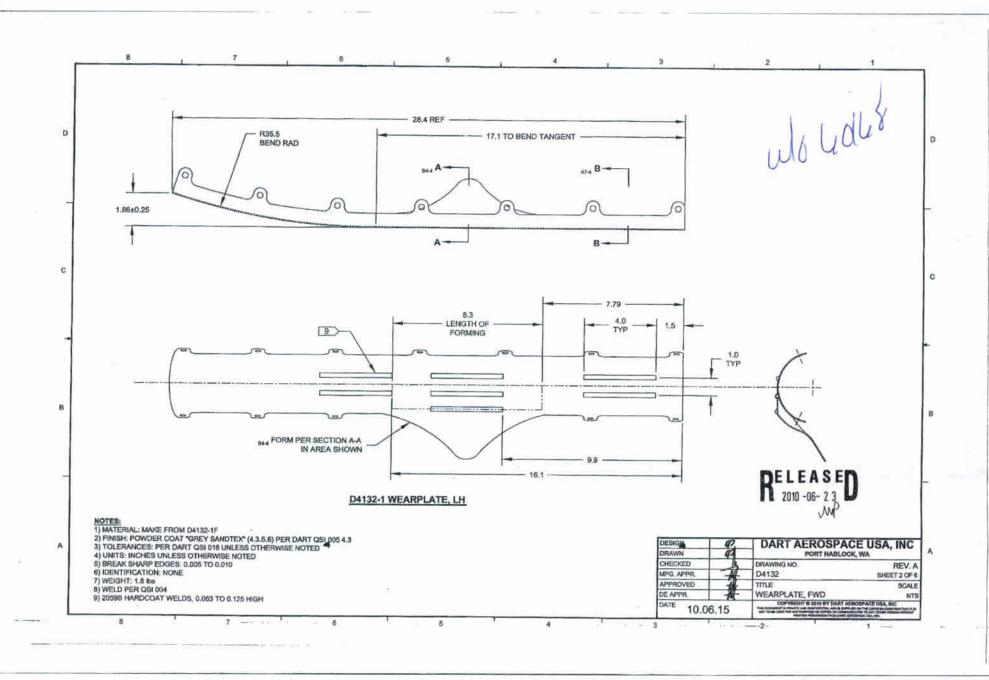
Prototype Approval:	N/A
Date:	N/A

	D-4-	Change	Revised by	Approved
Rev	Date	Change	KJ/JLM	
A		New Issue	KOJOLIVI	100



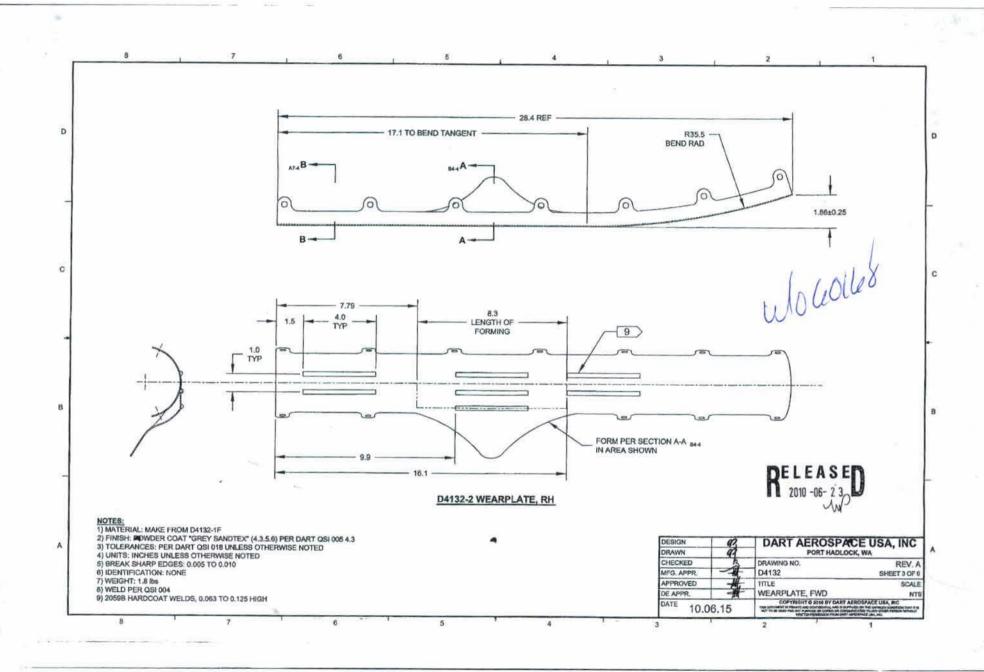
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W/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Approval Chief Eng /	g/ Approvar				
								Prod Mgr				
Part No: PAR #: Fault Category: NCR: Yes No DQA: Resolution: Disposition: QA: N/C Closed:		_ Date: _										
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NCR:			WORK ORD	ER NON-CONFORMA	NCE (NCR)						
	OTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval			
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C		QC Inspector			



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W/O:			WORK ORDER CHANGES							
DATE	STEP	PR	OCEDURE CHANGE	Ву	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
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	Resolut	tion:	Disposition:	QA: N/C	Closed:		Date: _			

NCR:			WORK ORDER NON-CONFORMANCE (NCR)									
- 25 - 127 - 147 -		Description of NC		Corrective Action Section B			Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	QC Inspector				

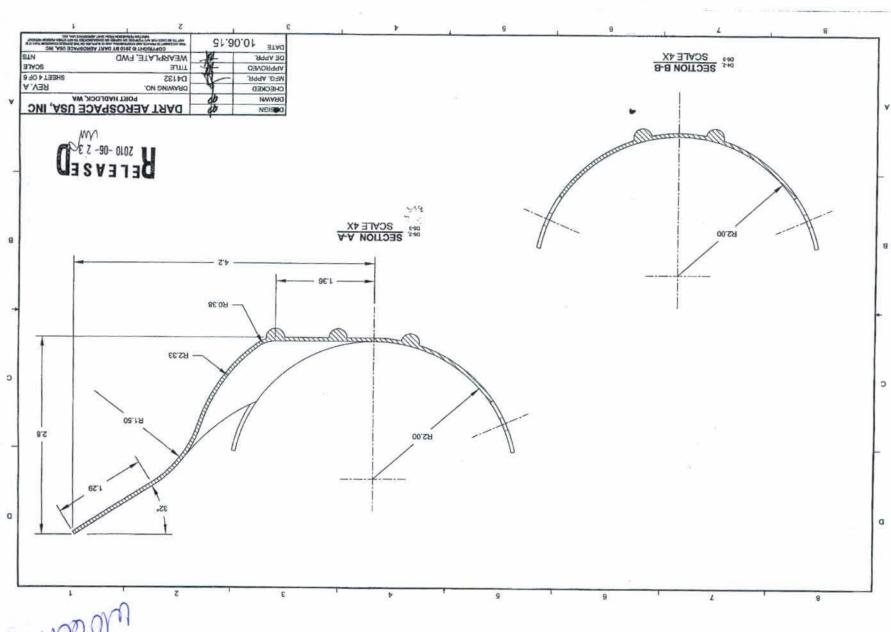


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	WORK ORDER CHANGES									
STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
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1	Resolution:	Disposition:	QA: N/C Closed:	Date:
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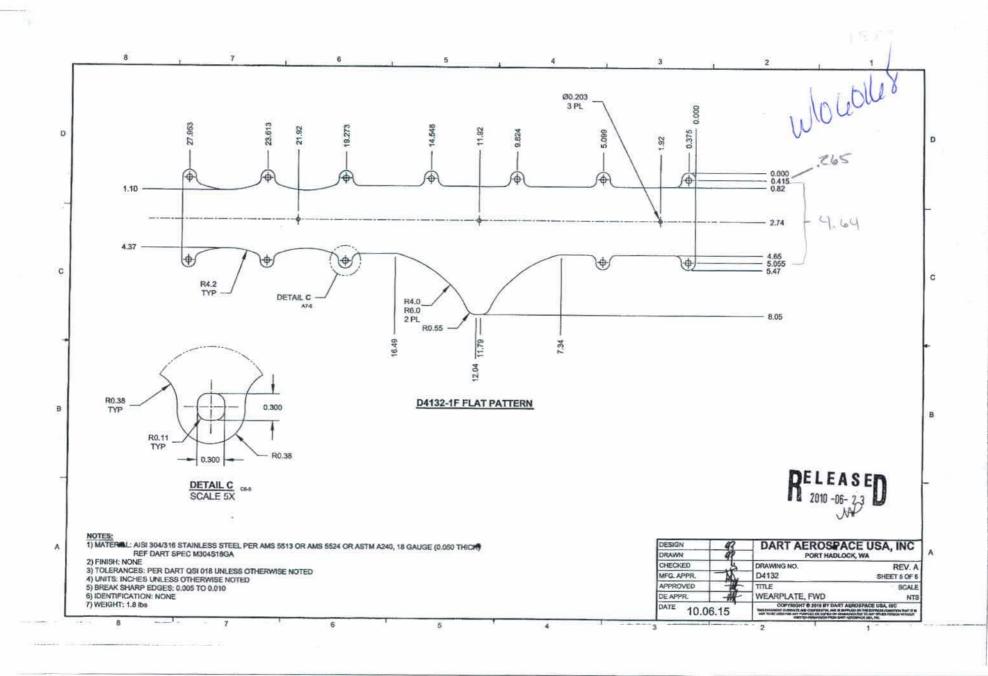
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		Description of NC	Description of NC Corrective Action Section B			Verification	Approval	Approval			
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	Reso	lution:	Disposition:	QA: N/C	Closed:		Date: _	

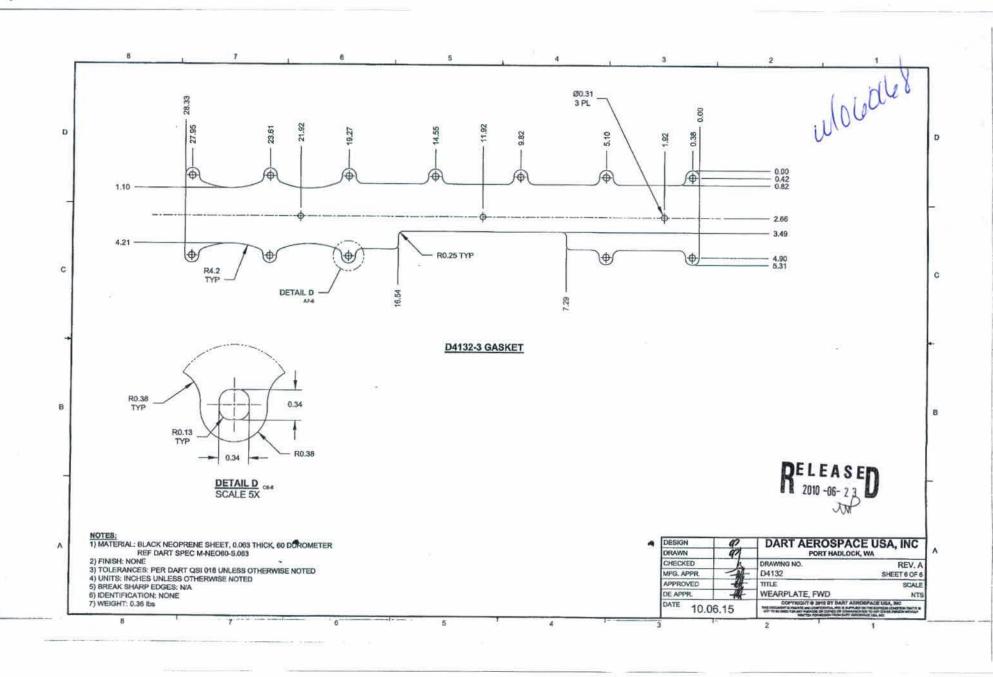
NCR:			WORK ORDER NON-CONFORMANCE (NCR)								
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W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No):	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date: _	<u> </u>				

Part No:		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

	WORK ORDER NON-CONFORMANCE (NCR)									
	Description of NC		Corrective Action Section B			Approval Chief Eng	Approval QC Inspector			
STEP	Section A	Initial Action Description Sign & Date Chief Eng Chief Eng Date		Section C						
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Dart Ae	rospace Ltd									
W/O:			WORK ORDER CHANGES							
DATE	STEP	PR	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
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Part No:		PAR #:	Fault Category:	NCR: Ye	es No DQ	A:	Date: _			
Resolution:			Disposition: QA: N/C Closed:				Date:			
NCR:	WORK ORDER NON-CONFORMANCE (NCR)									
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
		Description of NC Section A	Corrective Action Section B			Verification	Anneousl	Approval			
DATE	STEP		Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector			